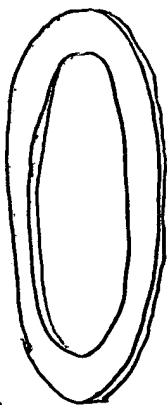


Figure 1 The Sequential Processing Reaction Vessel (SPRV)

PTFE RING



0.5um PTFE  
HYDROPHILIC FILTER



37um PTFE  
FILTER FRIT (1/16" thick)



Apply  
Pressure  
 $T = 330^{\circ}C$   
 $t = 15 \text{ min}$

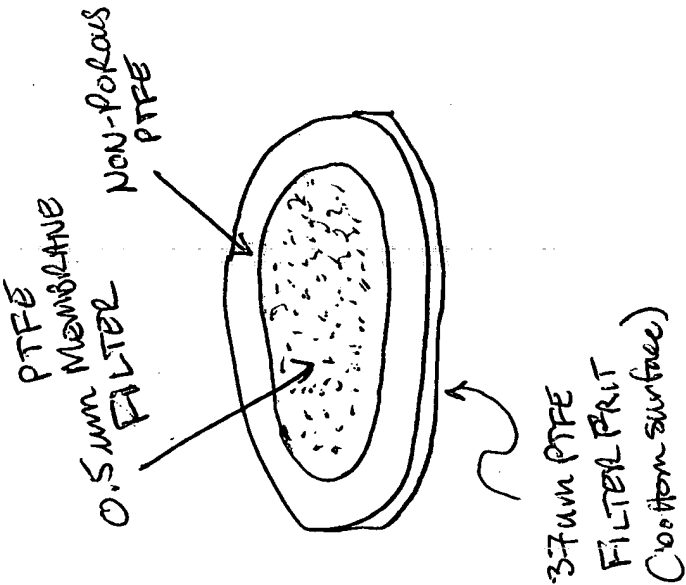


FIG. 2

# Liquid Reservoir and spray apparatus

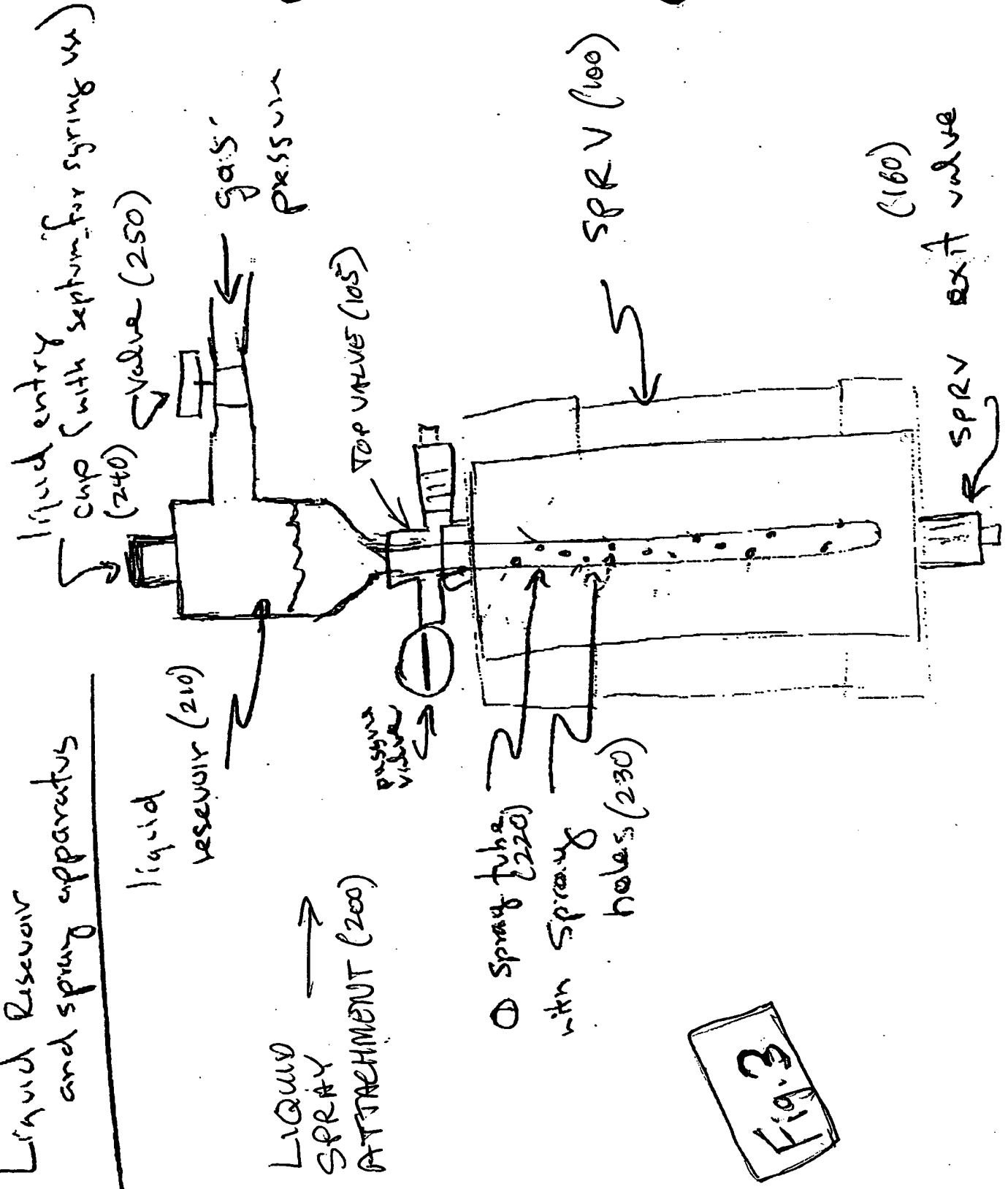


Fig. 3

TOP SECRET

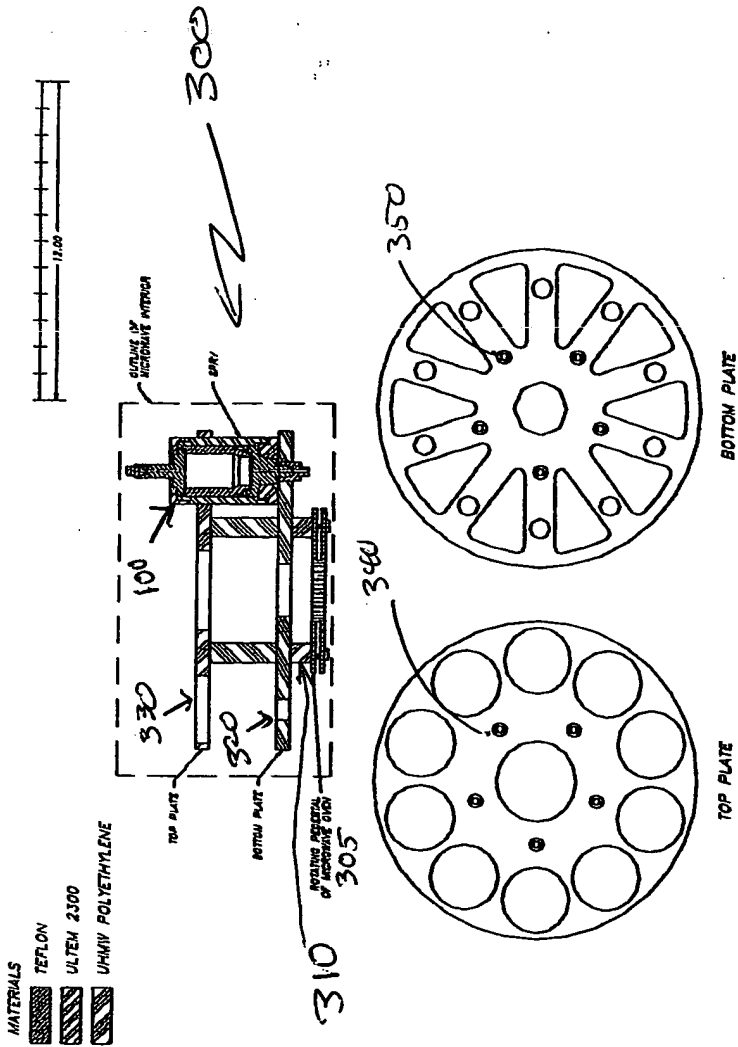


Fig. 4.  
Fig. 3 The SPRV Multiple Carousel Assembly

Fig. 4

PB 123  
Panama Basin sediment trap sample

PC40  
Deep ocean surface sediment sample

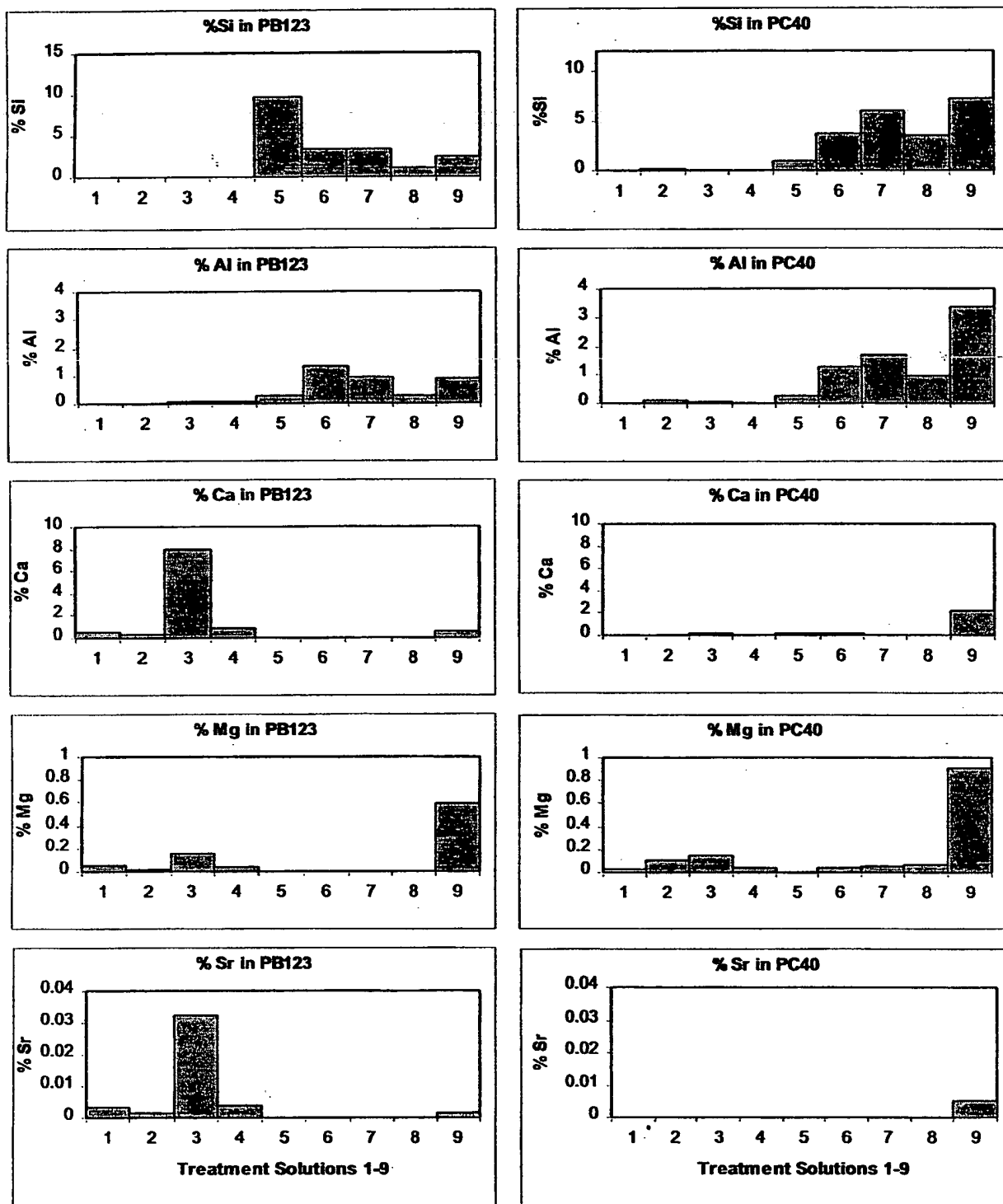


Figure 5 Elemental Concentrations in treatment solutions 1-9 sequentially extracted from sediment samples PB123 and PC40

FIG. 5